

# INTERNATIONAL SEARCH REPORT

International Application No

/EP 03/13994

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 C25D3/38 C25D7/12

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C25D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data, BEILSTEIN Data, CHEM ABS Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2 707 167 A (HOOVER EDWIN W) 26 April 1955 (1955-04-26) cited in the application the whole document	1-29
A	--- PATENT ABSTRACTS OF JAPAN vol. 009, no. 188 (C-295), 3 August 1985 (1985-08-03) & JP 60 056086 A (HODOGAYA KAGAKU KOGYO KK), 1 April 1985 (1985-04-01) abstract	1-29
A	--- US 4 551 212 A (RAO SRINIVAS T ET AL) 5 November 1985 (1985-11-05) the whole document --- -/--	1-29

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

7 May 2004

Date of mailing of the international search report

19/05/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Koessler, J-L

# INTERNATIONAL SEARCH REPORT

International Application No.

EP 03/13994

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 1 357 442 A (SCHERING AG) 19 June 1974 (1974-06-19) example 11 ---	1,6-10, 12,22-29
A	US 6 425 996 B1 (JONAT MICHAEL ET AL) 30 July 2002 (2002-07-30) the whole document ---	1-29
A	GB 2 141 140 A (OMI INT CORP) 12 December 1984 (1984-12-12) the whole document ---	1-29
A	US 5 849 171 A (DAHMS WOLFGANG ET AL) 15 December 1998 (1998-12-15) the whole document ---	1-29
A	US 5 433 840 A (DAHMS WOLFGANG ET AL) 18 July 1995 (1995-07-18) the whole document ---	1-29
A	GB 2 141 141 A (OMI INT CORP) 12 December 1984 (1984-12-12) the whole document ---	1-29
A	DE 40 32 864 A (SCHERING AG) 16 April 1992 (1992-04-16) the whole document ---	1-29
A	DD 261 613 A (LEIPZIG GALVANOTECHNIK) 2 November 1988 (1988-11-02) the whole document -----	1-29

# INTERNATIONAL SEARCH REPORT

International Application No.

/EP 03/13994

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2707167	A	26-04-1955	BE 520210 A DE 1004880 B FR 1071247 A GB 736230 A NL 75967 C NL 174178 B	21-03-1957 27-08-1954 07-09-1955
JP 60056086	A	01-04-1985	NONE	
US 4551212	A	05-11-1985	NONE	
GB 1357442	A	19-06-1974	DE 2028803 A1 DE 2039831 A1 AT 302764 B CA 961494 A1 CH 556347 A ES 391131 A1 FR 2095876 A5 IE 35298 B1 JP 51017945 B NL 7107804 A ,B, SE 426704 B SU 425408 A3 US 3743584 A	16-12-1971 05-01-1972 25-10-1972 21-01-1975 29-11-1974 16-07-1973 11-02-1972 07-01-1976 05-06-1976 08-12-1971 07-02-1983 25-04-1974 03-07-1973
US 6425996	B1	30-07-2002	DE 19758121 A1 AT 203067 T WO 9931300 A2 DE 59801021 D1 DK 1042538 T3 EP 1042538 A2 ES 2161076 T3 JP 2002508452 T	01-07-1999 15-07-2001 24-06-1999 16-08-2001 22-10-2001 11-10-2000 16-11-2001 19-03-2002
GB 2141140	A	12-12-1984	AU 554236 B2 AU 2903384 A BR 8402811 A CA 1255621 A1 DE 3420999 A1 ES 8601336 A1 FR 2547318 A1 IT 1177785 B JP 1345555 C JP 60013090 A JP 61012036 B NL 8401841 A	14-08-1986 13-12-1984 21-05-1985 13-06-1989 13-12-1984 16-02-1986 14-12-1984 26-08-1987 29-10-1986 23-01-1985 05-04-1986 02-01-1985
US 5849171	A	15-12-1998	DE 4032864 A1 AT 115651 T CA 2093924 A1 WO 9207116 A1 DE 59103933 D1 EP 0554275 A1 ES 2066477 T3 JP 6501986 T	16-04-1992 15-12-1994 14-04-1992 30-04-1992 26-01-1995 11-08-1993 01-03-1995 03-03-1994
US 5433840	A	18-07-1995	DE 4126502 C1 AT 131546 T	11-02-1993 15-12-1995

# INTERNATIONAL SEARCH REPORT

International Application No  
EP 03/13994

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5433840	A		CA 2115062 A1 WO 9303204 A1 DE 59204703 D1 EP 0598763 A1 ES 2082486 T3 JP 7505187 T JP 3121346 B2	18-02-1993 18-02-1993 25-01-1996 01-06-1994 16-03-1996 08-06-1995 25-12-2000
GB 2141141	A	12-12-1984	AU 559896 B2 AU 2903484 A BR 8402812 A CA 1255622 A1 DE 3421017 A1 ES 8601337 A1 FR 2547836 A1 IT 1177790 B JP 1345556 C JP 60009891 A JP 61012037 B NL 8401842 A	26-03-1987 13-12-1984 21-05-1985 13-06-1989 13-12-1984 16-02-1986 28-12-1984 26-08-1987 29-10-1986 18-01-1985 05-04-1986 02-01-1985
DE 4032864	A	16-04-1992	DE 4032864 A1 AT 115651 T CA 2093924 A1 WO 9207116 A1 DE 59103933 D1 EP 0554275 A1 ES 2066477 T3 JP 6501986 T US 5849171 A	16-04-1992 15-12-1994 14-04-1992 30-04-1992 26-01-1995 11-08-1993 01-03-1995 03-03-1994 15-12-1998
DD 261613	A	02-11-1988	DD 261613 A1	02-11-1988